| DIGITAL CAMERA | | PowerShot N100 |
|---|---|---|
| IMAGE SENSOR | | |
| | Type | Main: 1/1.7 type high-sensitivity CMOS |
| | Effective Pixels | Main: Approx. 12.1M<br>Rear: Approx. 0.3M |
| | Colour Filter Type | Primary Colour |
| IMAGE PROCESSOR | | |
| | Type | DIGIC 6 with iSAPS technology |
| LENS | | |
| | Focal Length | Main: 5.2 – 26.0 mm (35 mm equivalent: 24 – 120 mm)<br>Rear: (35mm equivalent: 25mm) |
| | Zoom | Main :<br>Optical 5x<br>ZoomPlus 10x<br>Digital Approx. 4.0x (with Digital Tele-Converter Approx. 1.5x or 2.0x).<br>Combined Approx. 20x [1] |
| | Maximum f/number | Main: f/1.8 – f/5.7<br>Rear: f/2.8 |
| FOCUSING | | |
| | Type | TTL |
| | AF System/ Points | AiAF (9-point, Face Detection or Touch AF with Object Select and Track), 1-point AF (any position is available or fixed centre) |
| | AF Modes | Single, Continuous, Servo AF/AE[4], Touch AF |
| | AF Point Selection | Size (Normal, Small) |
| | AF Lock | On/Off Selectable |
| | AF Assist Beam | Yes |
| EXPOSURE CONTROL | | |
| | Metering modes | Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (Touch AF frame) |
| | AE Lock | Yes |
| | Exposure Compensation | +/- 2 EV in 1/3 stop increments.<br>Enhanced i-Contrast for automatic dynamic range correction |
| SHUTTER | | |
| | Speed | 1 – 1/2500 sec. (factory default)<br>15 – 1/2500 sec. (total range – varies by shooting mode) |
| WHITE BALANCE | | |
| | Type | TTL |
| | Settings | Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom.<br>Multi-area WB correction available in Smart Auto |
| LCD MONITOR | | |
| | Monitor | Tilt type 7.5 cm (3.0") PureColor II Touch screen LCD (TFT). Approx. 922,000 dots. Capacitive type |
| | Coverage | Approx. 100% |
| | Brightness | Adjustable to one of five levels. Quick-bright LCD |
| FLASH | | |
| | Modes | Auto, Manual Flash On / Off, Slow Synchro |
| | Slow Sync Speed | Fastest speed 1/2000 sec. |
| | Red-Eye Reduction | Yes |
| | Flash Exposure Compensation | Face Detection FE, Smart Flash Exposure |
| | Flash Exposure Lock | Yes |
| | External Flash | Canon High Power Flash HF-DC2 |

| | | |
|---|---|---|
| **SHOOTING** | | |
| | Modes | Dual Capture, Hybrid Auto, SCN (Smart Auto (58 scenes detected), Creative Shot, P, Portrait, Smart Shutter (Smile, Wink Self-Timer, FaceSelf-Timer), Handheld Night Scene, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Background Defocus, Soft Focus, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Long Shutter) |
| | Modes in Movie | Smart Auto (21 scenes detected), Dual Capture, P, Portrait, Miniature Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, iFrame Movie |
| | Photo Effects | My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red) |
| | Drive modes | Single, Auto Drive, Continuous, Continuous with AF, Self-Timer |
| **RECORDING PIXELS / COMPRESSION** | | |
| | Image Size | Main:<br>4:3 - (L) 4000 x 3000, (M1) 2816 x 2112, (M2) 1600 x 1200, (S) 640 x 480<br>16:9 - (L) 4000 x 2248, (M1) 2816 x 1584, (M2) 1920 x 1080, (S) 640 x 360<br>3:2 - (L) 4000 x 2664, (M1) 2816 x 1880, (M2) 1600 x 1064, (S) 640 x 424<br>1:1 - (L) 2992 x 2992, (M1) 2112 x 2112, (M2) 1200 x 1200, (S) 480 x 480<br><br>Resize in playback (M2, S) |
| | Compression | Superfine, Fine |
| | Movies | (Full HD) 1920 x 1080, 30 fps, (HD) 1280 x 720, 30 fps, (L) 640 x 480, 30 fps<br><br>iFrame (Full HD) 30 fps<br>Miniature Effect (HD, L) 6 fps, 3 fps, 1.5 fps<br>Hybrid Auto (HD) 30 fps |
| | Movie Length | (Full HD & HD) Up to 4 GB or 29 min. 59 sec. [5]<br>(L) Up to 4 GB or 1 hour [3] |
| **FILE TYPES** | | |
| | Still Image Type | JPEG compression, (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system, Digital Print Order Format [DPOF] Version 1.1 compliant |
| | Movies | MP4 [Video: MPEG4-AVC (H.264), Audio: MPEG4 AAC-LC (stereo)] |
| **DIRECT PRINT** | | |
| | Canon Printers | Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge |
| | PictBridge | Yes (via USB or Wireless LAN) |
| **OTHER FEATURES** | | |
| | GPS | GPS via mobile (linked to compatible smartphone) |
| | Red-Eye Correction | Yes, during shooting and playback |
| | Intelligent Orientation Sensor | Yes, with Auto Rotate |
| | Histogram | Yes |
| | Playback zoom | Approx. 2x – 10x |
| | Self Timer | Approx. 2 or 10 sec., Custom |
| | Menu Languages | English, German, French, Dutch, Danish, Finnish, Italian, Greek, Norwegian, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Farsi, Hindi, Malay, Indonesian, Vietnamese, Hebrew |
| **INTERFACE** | | |
| | Computer | Hi-Speed USB (MTP, PTP) dedicated connector (Mini-B compatible) |
| | Other | HDMI Micro Connector (HDMI-CEC compatible) A/V output (PAL/NTSC) |
| | Computer/Other | Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with NFC support [6][8] |

| | | |
|---|---|---|
| MEMORY CARD | | |
| | Type | SD, SDHC, SDXC (UHS Speed Class 1 compatible) |
| SUPPORTED OPERATING SYSTEM | | |
| | PC & Macintosh | Windows 8 / 8.1 / 7 SP1 / Vista SP2 / XP SP3<br>Mac OS X 10.7, 10.8, 10.9<br>For Wi-Fi connection to a PC:<br>Windows 8 / 8.1 / 7 SP1 only<br>Mac OS X 10.7 / 10.8.2 or later / 10.9 |
| SOFTWARE | | |
| | Browsing & Printing | ImageBrowser EX |
| | Other | CameraWindow, Map Utility, PhotoStich |
| POWER SOURCE | | |
| | Batteries | Rechargeable Li-ion Battery NB-12L (battery and charger supplied) |
| | A/C Power Supply | Optional, AC Adapter Kit ACK-DC100 |
| ACCESSORIES | | |
| | Cases / Straps | Travel Case DCC-2500<br>PowerShot Neck Strap NS-100 |
| | Flash | Canon High Power Flash HF-DC2 |
| | Power Supply & Battery Chargers | AC Adapter Kit ACK-DC100<br>Battery Charger CB-2LGE |
| | Other | Canon AV cable AVC-DC400ST<br>Interface Cable IFC-400PCU |
| PHYSICAL SPECIFICATIONS | | |
| | Operating Environment | 0 – 40 °C, 10 – 90% humidity |

**All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.**
**Subject to change without notice.**

**[1] Depending on the image size selected.**

**[2] Under conditions where the flash does not fire.**

**[3] Depending on memory card speed / capacity / compression setting.**

**[4] Some settings limit availability.**

**[5] The following Speed Class memory cards are required for maximum record time: (HD) 1280 x 720 Speed Class 4 or above. (Full HD) 1920 x 1080 Speed Class 6 or above. (iFrame) 1280 x 720 Speed Class 6 or above.**

**[6] Wi-Fi use may be restricted in certain countries or regions. Wi-Fi support varies by device and region. For more information visit www.canon-europe.com/wirelesscompacts**

**[7] Values at maximum optical focal length. Cameras whose focal length exceeds 350mm (35mm equivalent) are measured at 350mm.**

**[8] NFC functionality requires compatible smart devices**